

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 62265478  
PUBLICATION DATE : 18-11-87

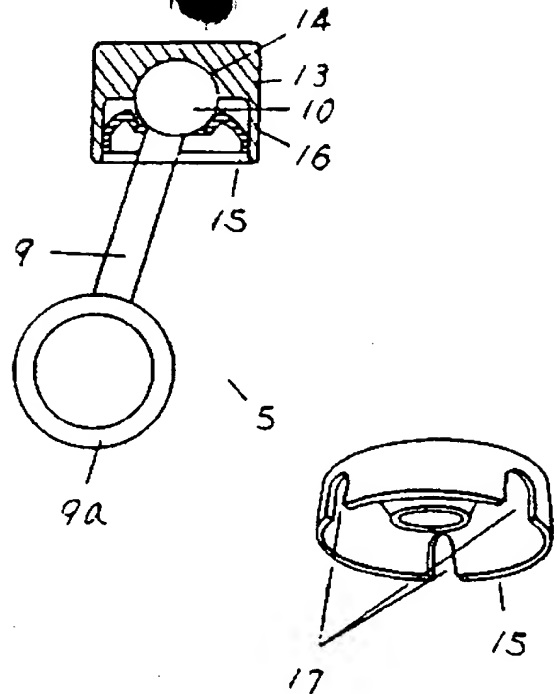
APPLICATION DATE : 12-05-86  
APPLICATION NUMBER : 61107966

APPLICANT : MATSUSHITA REFRIG CO;

INVENTOR : OOTA TOSHIHIKO;

INT.CL. : F04B 39/00

TITLE : PISTON DEVICE FOR CLOSED TYPE  
MOTOR COMPRESSOR



ABSTRACT : PURPOSE: To provide an ideal sliding state through simple constitution, by a method wherein a spherical body, formed to a connecting rod connected to a crank shaft, is connected to a spherical seat formed in the bottom of a piston, and the spherical body is pressed against the spherical seat by means of a pressure contact spring press-fitted in the inner side of the piston.

CONSTITUTION: A spherical seat 14 is formed in the bottom of a piston 13, and is connected to a spherical body 10 formed to a connecting rod 9. A circular pressure contact spring 15 is press-fitted in an inner side 16 of the piston 13, and the spherical body 10 is pressed against the spherical seat 14 thereby. Slit 17, through which oil is guided from the back of the piston 13 to the spherical body 10 and the spherical seat 14, are formed in the side of the pressure contact spring 15. This constitution forces the spherical body 10 to be always pressed against the spherical seat 14 through the spring force of the pressure contact spring 15, and prevents production of a play without locating a resilient body, resulting in reduction of the generation of noise, which is heretofore a problem of a closed type motor compressor, and improvement of reliability.

COPYRIGHT: (C) JPO